

**DISTRIBUTED CLUMPING OF PART-LENGTH RODS FOR A REACTOR
FUEL BUNDLE**

ABSTRACT OF THE DISCLOSURE

A reactor fuel bundle includes both full-length fuel rods and part-length fuel rods. The part-length rods are clumped in two groups - a first rod group surrounds one or more water passages which are generally centrally disposed in a channel of the fuel bundle, and a second rod group is distributed about an inner perimeter wall of the channel.